

ALL BALL BEARING PORTABLE
NUTS AND METAL PUNCHES

THE WHITNEY LINE

VONNEGUT HARDWARE CO.
INDIANAPOLIS, IND.

THE BEST BY TEST

THE LIGHTEST, MOST COMPACT
AND GREATEST CAPACITY WITH
SAME LENGTH OF HANDLE OF
ANY PORTABLE HAND METAL
PUNCH IN THE WORLD

MADE BY
WHITNEY METAL TOOL CO.
ROCKFORD, ILL., U. S. A.

Delivery

Our quotations cover delivery free
on board cars at factory.

Terms

Thirty days net cash when credit is satisfactory.

Boxing

All tools will be boxed for shipment free of cost.

Agents

We have agents in the larger cities and will gladly give you the name of the agent representing us in your territory, or make you quotations direct.

Efficiency

Thousands of satisfied users are unanimous in their verdict that there is none better than the Whitney Ball Bearing Punches.

Whitney Metal Tool Co.

Rockford, Ill., U. S. A.

10/10/10 - 10/10/10

Please Read Carefully

NO. 5 JR. SAW CUT

On the No. 5 Jr. you will notice a saw cut in the intermediate section, which is not a flaw. This saw cut is necessary in order to assemble the tool and does not injure it in any way.

OILING.

In using any of our punches we caution you to use a few drops of oil on punches as it will increase the life of the punches and dies 70%.

STRIPPER FINGERS

Always take care that the stripper fingers are set in a parallel position. Do not allow one of them to be higher than the other as this will have a tendency to break the punch 99 times out of a 100 when the punch is being stripped from the material at an angle.

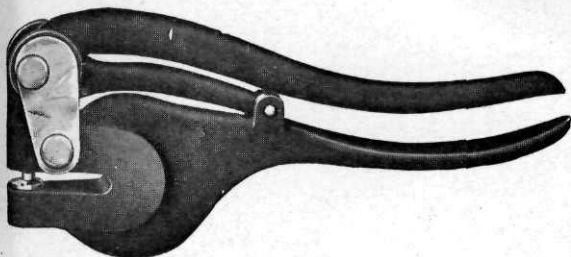
PUNCHES TO FLOAT

All of the punches are intended to float so that when the punches come in contact with the material it will not revolve with the screw or spindle. You will notice that all punches are slightly crowned to eliminate friction so that all of the power is directed to the center of the punch. Do not try to put shims between the punch and spindle in order to try and hold the punch rigid as this will be contrary to the designing of the tool and also has a tendency of breaking punches.

CLEARANCE

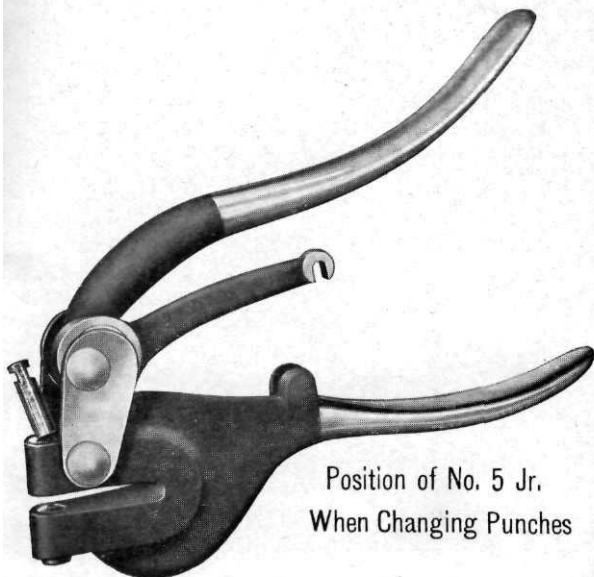
All tools are shipped with clearance for punching heavy material. This, of course, will leave a rough hole for light material, but if you will specify on your order the thickness of material you are punching, we will assemble the tools with proper clearance.

No. 5 Jr.



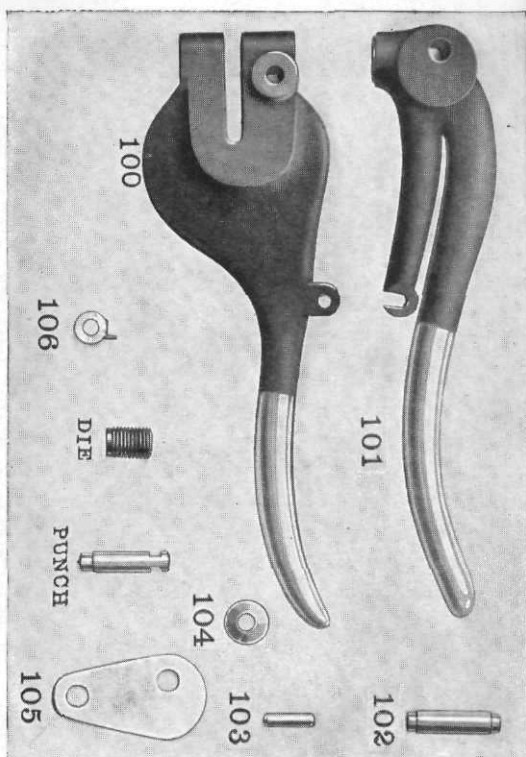
This Tool will Punch $\frac{1}{4}$ -inch hole through No. 18 gauge iron or its equivalent.

Weight	-	-	-	-	-	-	-	2 $\frac{3}{4}$ lbs.
Punch in center of	-	-	-	-	-	-	-	3 inches
Length over all	-	-	-	-	-	-	-	8 $\frac{1}{4}$ inches
Height of Gap	-	-	-	-	-	-	-	$\frac{1}{4}$ -inch
Tool shipped complete with 3 sets of Punches and Dies $\frac{1}{8}$ -inch, $\frac{3}{16}$ -inch, $\frac{1}{4}$ -inch.								



Position of No. 5 Jr.
When Changing Punches

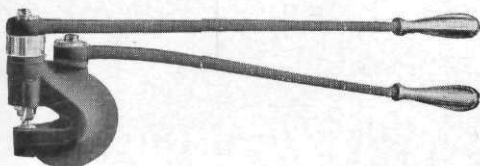
No. 5 Parts



- 100—Lower handle.
- 101—Upper handle and eccentric.
- 102—Eccentric pin.
- 103—Lower handle pin.
- 104—Eccentric side washer.
- 105—Eccentric link.
- 106—Dog.

All Tools are thoroughly tested before leaving our factory.

Ball Bearing Punch No. 10

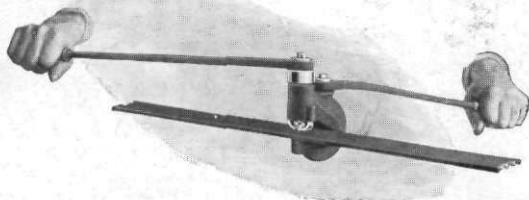


This fellow has punched over 100,000 holes through $\frac{1}{4}$ -inch material and we can't find anything wrong with it yet.

Capacity	-	$\frac{3}{8}$ -inch hole through	$\frac{1}{4}$ -inch Iron
Depth of Throat	-	-	$1\frac{1}{2}$ inch
Height of Throat	-	-	$\frac{7}{8}$ inch
Length over all	-	-	18 inches
Weight, Complete	-	-	$8\frac{1}{2}$ lbs.

Above Tool is shipped with one Punch and Die and a Base for Bench purpose if desired.

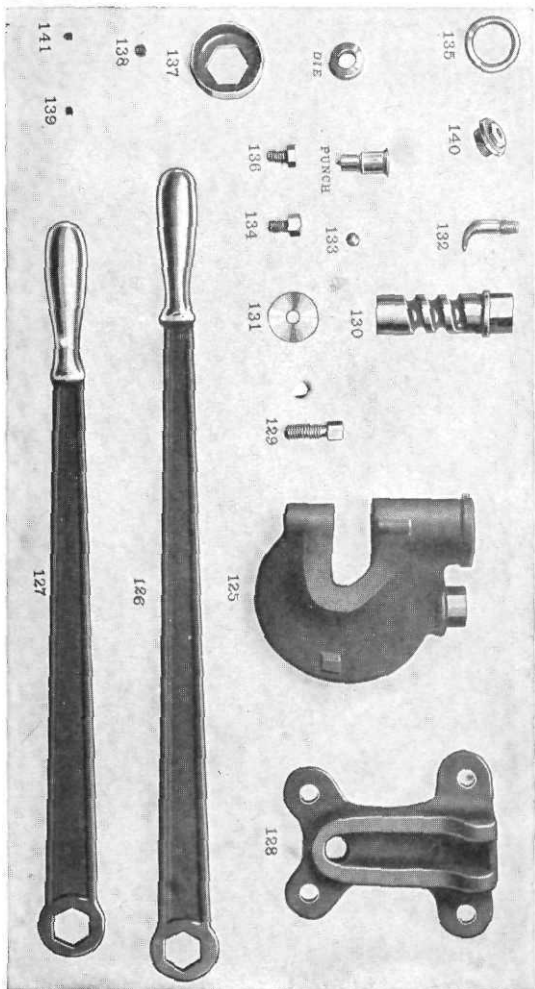
Nos. 10, 20, 25, 30 and 40 will set rivets as well as punch holes.



NO. 10 IN OPERATION

We have representatives in every principle city in the United States and Canada.

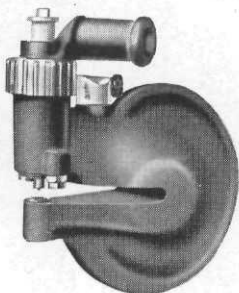
No. 10 Punch Parts



- 125 Punch Body
- 126 Upper Handle
- 127 Lower Handle
- 128 Base
- 129 Base Set Screw
- 130 Spindle
- 131 Handle Washer
- 132 Stripper Finger
- 133 Ball Bearing

- 134 Upper Handle Screw
- 135 Stop Collar
- 136 Lower Handle Screw
- 137 Dust Cap
- 138 Stripper Finger Set Screw
- 139 Die Set Screw
- 140 Punch Holder
- 141 Stop Collar Set Screw

Ball Bearing Punch No. 15



Patented Nov. 15, 1910

**One-half turn drives the lever
through $\frac{1}{4}$ -inch Metal**

Capacity	-	$\frac{5}{16}$ -inch hole through	$\frac{5}{16}$ -inch iron
Punch in center of	-	-	$7\frac{3}{4}$ inches
Height of Gap	-	-	$\frac{3}{8}$ -inch
Has Ratchet Head.	-	-	-
Weight Complete	-	-	21 pounds
Punches and Dies carried in stock,	$\frac{3}{16}$ -inch to	$\frac{7}{16}$ -inch by	$\frac{1}{16}$ -inch.

Above Tool is shipped with one Punch and Die and Base if desired for Bench work.

The feature of this Tool is its Deep Throat Capacity. It is made of Crucible Steel Casting, heat treated throughout.

NOTE

Tools Nos. 15, 20, 40 are furnished only with a Short Socket handle, unless otherwise ordered. The top of spindle is turned round and just below it is milled a Hexagon. The handle which fits on the Hexagon is drilled out to accommodate a piece of gas pipe or a bar of iron, at the convenience of the workman. The handle, by being lifted off the Hexagon to the round top of spindle, can be turned back and dropped upon the Hexagon again, thus giving all the effect and convenience of the ratchet and all in an instant.

ASK YOUR LOCAL DEALER FOR PRICES

Ball Bearing Punch No. 20

This tool is
made of
Nikrome Steel
and
Heated Treated
Throughout

Patented Nov. 15
1910



It will not
only
Punch holes
but RIVET
as well

Capacity	-	$\frac{1}{2}$ -inch hole through $\frac{1}{2}$ -inch iron
Depth of Throat	-	2 inches
Height of Throat	-	$1\frac{3}{8}$ inch
Weight, Complete	-	20 lbs.
Punches and Dies Regular Stock, $\frac{1}{4}$ inch by $\frac{1}{16}$ inch to $\frac{9}{16}$ inch.		

The above Tool is shipped with one Punch and Die and with or without Base.

THE NEW BERN IRON WORKS & SUPPLY CO. writes:

Gentlemer: Some months ago we purchased one of your Ball Bearing Lever Punches and we like this punch very well. You may forward us another Punch by express together with two extra Punches and Dies, each, $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ -inch.

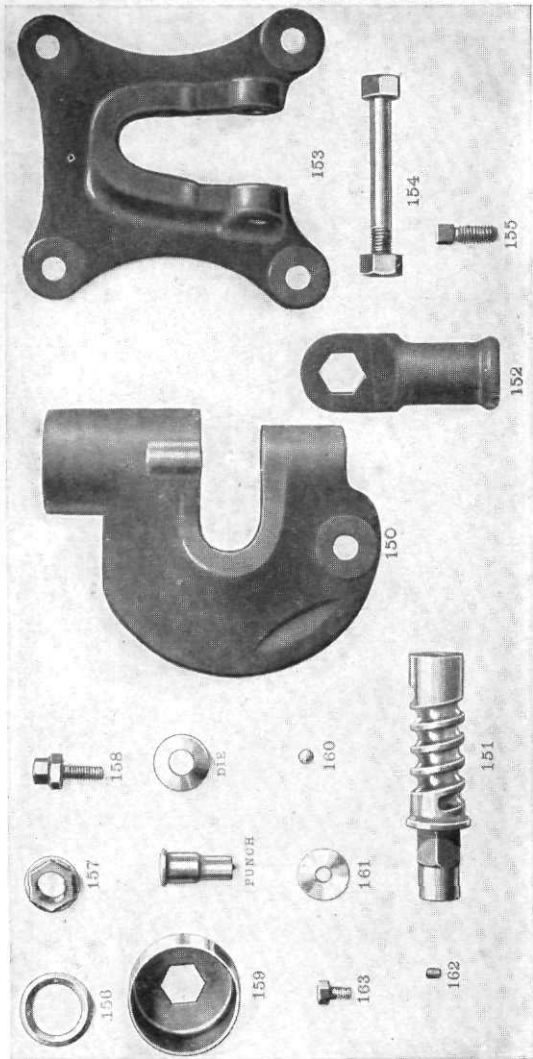
Also please advise us if you make a larger size Punch than the one we originally purchased.

Yours truly,

NEW BERN IRON WORKS & SUPPLY CO.

Ernest L. Willis, President.

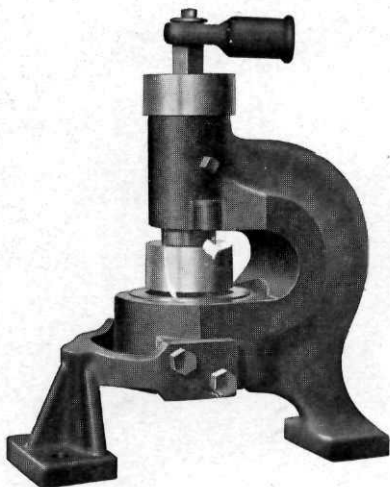
No. 20 Punch Parts



- 150 Punch Body
- 151 Spindle
- 152 Operating Handle
- 153 Base
- 154 Base Binding Screw
- 155 Base Set Screw
- 156 Stop Collar
- 157 Punch Holder

- 158 Stripper Finger
- 159 Dust Cap
- 160 Ball Bearing
- 161 Handle Washer
- 162 Die Set Screw
- 163 Handle Washer Screw
- 164 Stop Collar Set Screw

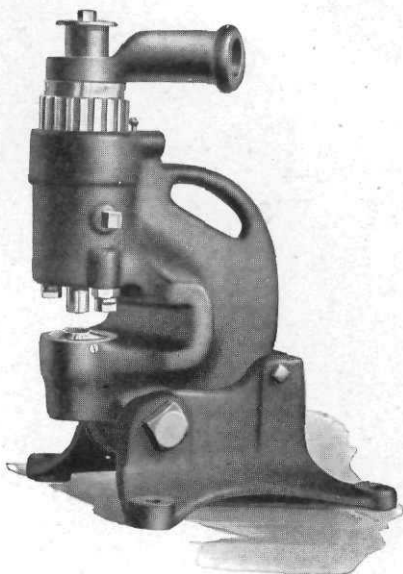
Ball Bearing Punch No. 30



Above Ball Bearing Punch is very similar to all our other Punches except that it is designed to punch large diameters and can be made to punch 3" dia. in 16 gauge.

WRITE FOR PRICES

Ball Bearing Punch No. 40



Patented Nov. 15, 1910

This Tool is Equipped with a Ratchet Head and Socket Handle

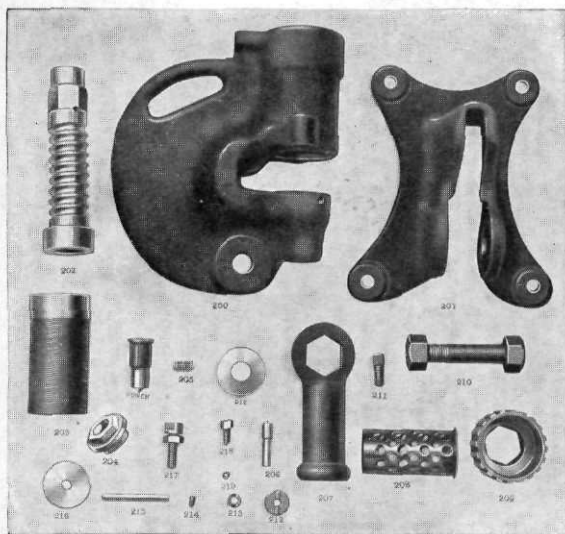
Capacity	-	-	$\frac{3}{4}$ inch through $\frac{3}{4}$ -inch Iron
Depth of Throat	-	-	3 inches
Height of Throat	-	-	2 inches
Weight, Complete	-	-	87 pounds

The above Tool shipped with one Punch and Die and with or without Base.

Don't compare this Tool with the ordinary Screw Punch. It's different—much Faster and Better. Every frictional point is Ball Bearing. All wearing parts are hardened throughout.

ASK YOUR LOCAL DEALER FOR PRICES

No. 40 Punch Parts

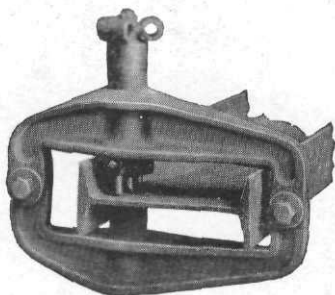


- 200—Punch body.
- 201—Base.
- 202—Spindle.
- 203—Ball race sleeve.
- 204—Punch holder.
- 205—Ratchet spring.
- 206—Ratchet dog.
- 207—Operating handle.
- 208—Ball retainer.
- 209—Ratchet head.
- 210—Base binding bolt.
- 211—Base set screw.
- 212—Ratchet reverse collar.
- 213—Ratchet bushing.
- 214—Die set screw.
- 215—Ratchet head pin.
- 216—Handle washer.
- 217—Stripper finger.
- 218—Handle washer screw.
- 219—Ball.

Whitney

All Ball Bearing Portable "I" Beam

Punch No. 40-B



No. 40-B

"The Whitney Line"

Iron Working Machinery

Patented November 15, 1910

The mechanical construction of this Punch is practically identical with that of the No. 40 Punch, the only difference being that of form and capacity. The illustration on this page showing the Punch in relation to a steel "I" Beam indicates the ease with which this truly remarkable Punch can be applied to any point between center and either side of the beam and wherever the beam may be set in place in construction work, on bridge or in building. This No. 40-B will take in all beam and angle iron work up to twelve inches. See other illustration on following page. Write for information respecting larger and smaller sizes.

Will Punch Diameter	-	-	1 inch
Will Punch Thick	-	-	$\frac{1}{2}$ inch
Depth of Throat	-	-	12 inches
Weight	-	-	120 pounds

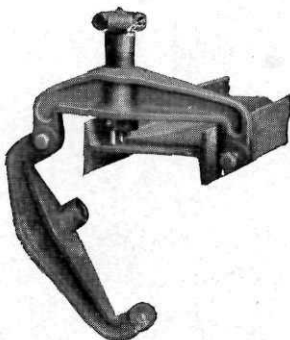
Capacity of this Tool $\frac{3}{4} \times \frac{3}{4}$ inch material and carries the same size Punches and Dies as our No. 40 Ball Bearing Punches.

WRITE FOR PRICES

Whitney

All Ball Bearing Portable "I" Beam

Punch No. 40-B



No. 40-B

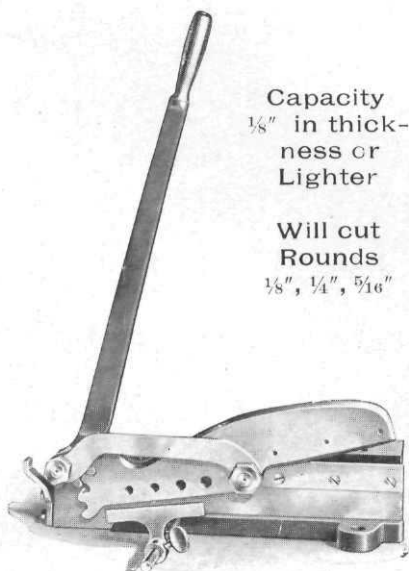
"The Whitney Line"

Iron Working Machinery

Patented November 5, 1910

A glance at the illustration on the preceeding page showing the "I" Beam in place and the Punch in position to execute the required punching. The illustration on this page gives a very comprehensive idea of the ease with which the Punch is adjusted to the point where required. It will be noted that this No. 40-B is hinged at both ends and so constructed that by the withdrawal of either bolt the parts swing open, and back into place at any point on structural work. The mechanical construction is identical with the entire line of Whitney All Ball Bearing Rotary Hand Metal Punches, and structural iron workers will find this No. 40-B a most effective, rapid, powerful and satisfactory Punch. It is supplied with a ratchet head and the same construction as in the No. 40 is carried out.

Bench Shear No. 3



Capacity
 $\frac{1}{8}$ " in thick-
 ness or
 Lighter

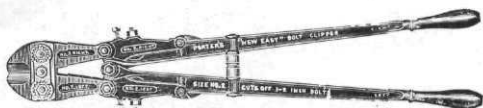
Will cut
 Rounds
 $\frac{1}{8}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ "

Weight	-	-	-	-	-	25 lbs.
Length cutting blades	-	-	-	-	-	7"

The Shears are highly recommended for slitting sheet iron any length or width as well as cutting rounds to $\frac{5}{16}$ —the blades are made of the best material and are ground to a perfect true cutting edge and other parts are made of steel castings to assure strength and durability.

WRITE FOR PRICES

“New Easy” Bolt Clipper



No. 0 cuts $\frac{5}{16}$ threaded Bolts and $\frac{1}{4}$ soft Rods.

No. 1 cuts $\frac{3}{8}$ threaded Bolts and $\frac{5}{16}$ soft Rods.

No. 2 cuts $\frac{1}{2}$ threaded Bolts and $\frac{3}{8}$ soft Rods.

No. 3 cuts $\frac{5}{8}$ threaded Bolts and $\frac{1}{2}$ soft Rods.

All parts are made in duplicate to standard gauges and will always fit. The simple turn of a screw provides ample adjustment (from one thousandth of an inch up), always keeping the cutting edges in contact during the life of the jaws.

If the clippers are used according to directions, they will last a long time and pay for themselves many times over.

The handles are of japanned malleable iron, tough and strong; the buffers are high quality rubber springs; the jaws are high grade tool steel, of a temper shown by long experience to be the best for cutting annealed bolts and rivets. The jaws can be dressed when necessary with a mill file.

Jaws of special temper can be furnished to cut special materials.